eSSL®

Security at Fingertips

Hotel Lock MF Cards

S50

Specification

· Contactless transmission of data and supply energy (no battery needed)

· Operating distance: Up to 100mm (depending on antenna geometry)

· Operating frequency: 13.56 MHz

· Fast data transfer: 106 kbit/s

· High data integrity: 16 Bit CRC, parity, bit coding, bit counting

· True anticollision

· Typical ticketing transaction: < 100 ms (including backup management)
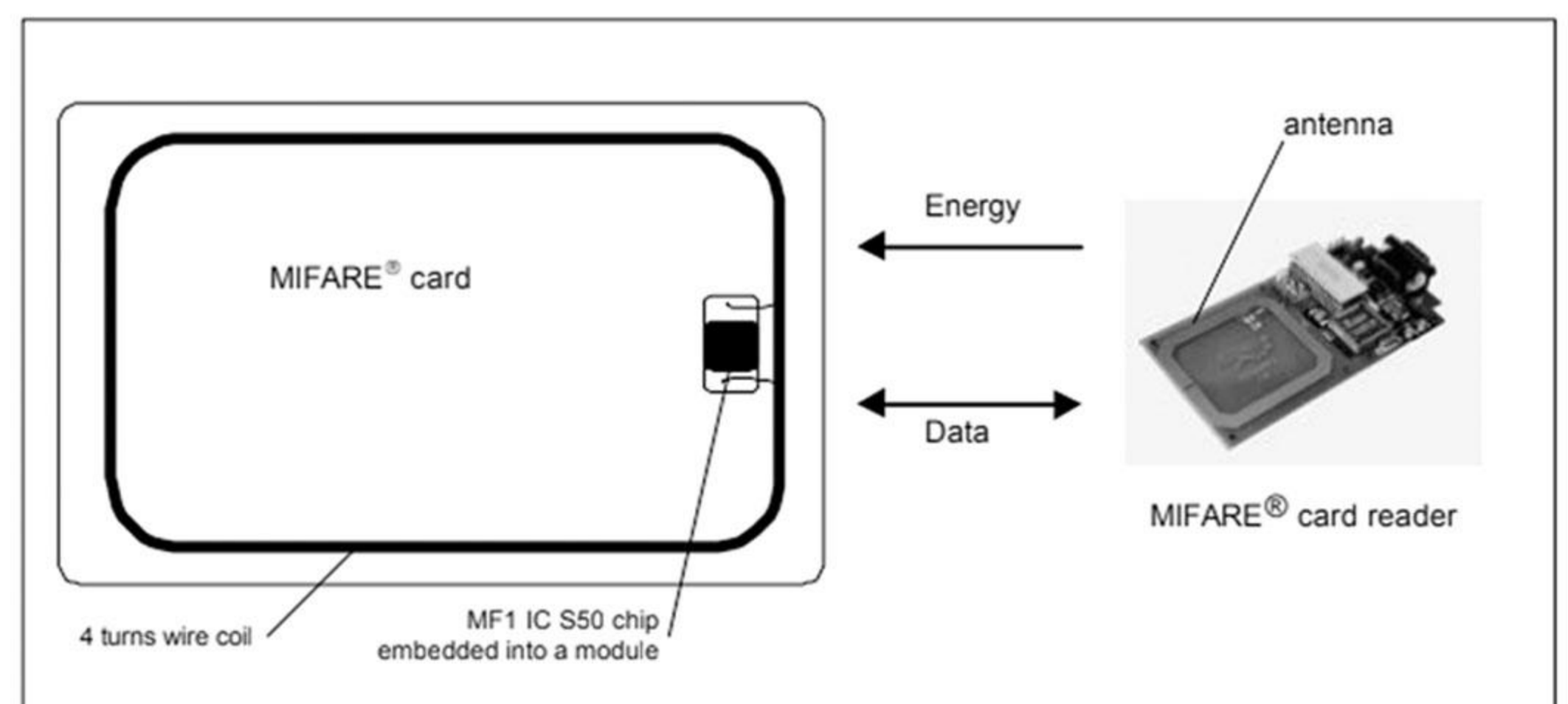
Used For : Guest Card

System ID Card

Lock Setting Card

Staff Card & Emergency Card

Security

· Mutual three pass authentication (ISO/IEC DIS9798-2)

· Data encryption on RF-channel with replay attack protection

· Individual set of two keys per sector (per application) to support multi-application with key hierarchy

· Unique serial number for each device

· Transport key protects access to EEPROM on chip delivery

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ISO FC C E RoHS